

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P047854WO	FOR FURTHER ACTION		see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/GB2008/002583	International filing date (day/month/year) 28/07/2008	(Earliest) Priority Date (day/month/year) 08/08/2007	
Applicant CILAG GMBH INTERNATIONAL			

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

- ☒ the international application in the language in which it was filed
☐ a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. ☐ This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. ☐ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box No. II)

3. ☐ **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

- ☐ the text is approved as submitted by the applicant
☒ the text has been established by this Authority to read as follows:

INJECTION DEVICE WITH LOCKING MECHANISM FOR SYRINGE CARRIER

5. With regard to the **abstract**,

- ☐ the text is approved as submitted by the applicant
☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority

6. With regard to the **drawings**,

- a. the figure of the **drawings** to be published with the abstract is Figure No. 3a
☒ as suggested by the applicant
☐ as selected by this Authority, because the applicant failed to suggest a figure
☐ as selected by this Authority, because this figure better characterizes the invention
b. ☐ none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB2008/002583

Box No. IV. Text of the abstract (Continuation of item 5 of the first sheet)

An injection device comprises a locking mechanism (171a, 171b) between a syringe carrier (128) and an end cap (111) of the injection device. The cap is formed in such a way to inhibit movement of the syringe carrier and syringe towards an exit aperture of the injection device when the cap is located in its closed position on the injection device. A needle shield (123) located on the needle of the syringe is removed by rotating the cap whilst the locking mechanism remains engaged. On removal of the cap, the locking mechanism is no longer so engaged and the syringe and syringe carrier can move towards the exit aperture. This assists in preventing damage to the syringe prior to actuation of the injection device.

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2008/002583

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61M5/20

ADD. A61M5/32

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2007/036676 A (CILAG GMBH INTERNAT [CH]; HABESHAU ROSIE LOUISE [GB]; JOHNSTON DAVID M) 5 April 2007 (2007-04-05) page 5, line 13 - page 8, line 26; figures 1-8	1-11
X	WO 2005/115508 A (CILAG AG INTERNAT [CH]; HABESHAU ROSIE [GB]; BARROW-WILLIAMS TIM [GB];) 8 December 2005 (2005-12-08) page 4, paragraph 10 - page 6, paragraph 1; figures 1-9	1-11
A	GB 2 424 836 A (CILAG AG INTERNAT [CH]; CILAG GMBH INTERNAT [CH]) 11 October 2006 (2006-10-11) page 6, paragraph 2; figures 1-9	1-11
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☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

& document member of the same patent family

Date of the actual completion of the international search

26 September 2008

Date of mailing of the international search report

10/10/2008

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INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2008/002583

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	<p>WO 2007/138299 A (CILAG GMBH INTERNAT [CH]; JENNINGS DOUGLAS IVAN [GB]; CORRIGAN JOSEPH) 6 December 2007 (2007-12-06) page 6, line 24 - page 9, line 4; figures 1a-5</p> <p>-----</p>	1-11

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2008/002583

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 2007036676	A	05-04-2007	AU 2005336826 A1 CA 2623962 A1 EP 1928523 A1	05-04-2007 05-04-2007 11-06-2008
WO 2005115508	A	08-12-2005	AU 2005247146 A1 BR PI0510480 A CA 2568660 A1 CN 101018579 A EP 1755706 A1 GB 2414400 A JP 2008500855 T KR 20070050409 A	08-12-2005 06-11-2007 08-12-2005 15-08-2007 28-02-2007 30-11-2005 17-01-2008 15-05-2007
GB 2424836	A	11-10-2006	AU 2006231099 A1 EP 1888147 A1 WO 2006106290 A1 JP 2008534202 T KR 20080027226 A	12-10-2006 20-02-2008 12-10-2006 28-08-2008 26-03-2008
WO 2007138299	A	06-12-2007	GB 2438590 A	05-12-2007